

| General Information | |
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| Academic subject | Animal husbandry eco-sustainable systems |
| Degree course | TUGEST |
| Curriculum | |
| ECTS credits | 6 ECTS |
| Compulsory attendance | No |
| Language | Italiano |

| Subject teacher | Name Surname | Mail address | SSD |
|-----------------|------------------|---------------------------|--------|
| | Giuseppe Marsico | giuseppe.marsico@uniba.it | AGR/19 |

| ECTS credits details | | | |
|---------------------------|-----------------------|------------------|--|
| Basic teaching activities | 4 ECTS frontal lesson | 2 ECTS exercises | |

| Class schedule | |
|----------------|--------------------|
| Period | FIRST semester |
| Year | 2017/2018 |
| Type of class | Lecture- workshops |

| Time management | |
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| Hours | 150 |
| In-class study hours | 60 |
| Out-of-class study hours | 90 |

| Academic calendar | |
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| Class begins | 2 nd october 2017 |
| Class ends | 26 th january 2018 |

| Syllabus | |
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| Prerequisites/requirements | |
| Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS) | <p><i>Knowledge and understanding</i></p> <ul style="list-style-type: none"> - Knowledge of the main zotechnical and faunistic systems for the production of raw materials (milk, meat, eggs and fish products); factors and parameters of quality; relationship between nutrition and quality of the various variability factors of qualitative aspects and quality products <p><i>Applying knowledge and understanding</i></p> <ul style="list-style-type: none"> - Ability to apply to the productions a systematic approach to the evaluation of quanto-qualitative aspects of animal production. - Go back to the animal variability factors that determine qualitative characteristics of animal production and their temporal variability. - Describe the qualitative characteristics and the structural organization of innovative animal production systems. <p><i>Making informed judgements and choices</i></p> <ul style="list-style-type: none"> - Ability to correctly orient the search for suitable solutions to modify the quanto-qualitative characteristics of animal production. - Properly adapt the appropriate means and procedures to |

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| | <p>monitor the quanto-qualitative characteristics of animal production.</p> <p><i>Communicating knowledge and understanding</i></p> <p>- Ability to report properly the procedures and techniques behind the processes and phenomena that interact with the productions.</p> <p><i>Capacities to continue learning</i></p> <p>- Ability to deepen and update their knowledge about quantitative aspects of animal production.</p> |
| Contents | <ul style="list-style-type: none"> • Economic and environmental aspects of livestock farming in different environments. What species for each attitudes and each territory. • The environment, the territory, ecosystems. Assessment of livestock load compatible with the environment. Breeding systems and technologies. • Breeding of the main species of animals to the income and nod of faunistic breeding; • Genetic improvement: the variability of quantitative characters (milk, meat, eggs, wool). Elements of population genetics. Selection, Crossing, Blood Consanguinity, Interspecific Hybridization and Mutation. • Principles of animal nutrition: Chemical composition of the animal and animal organisms. Digestion of foods and metabolism. Chemical and nutritional evaluation of foods. Nutritional needs and rationing. Pastures and their rational use. Rationing. |
| Course program | |
| Bibliography | <ul style="list-style-type: none"> • Balasini D. – Zootecnia Generale. Calderini Edagricole. 2003. • Bittante G., Andrighetto I., Ramanzin M. - Fondamenti di Zootecnia: Miglioramento Genetico, Nutrizione e Alimentazione (Liviana Editrice). • Borgioli E. - Alimentazione e Nutrizione Animale. Ed. Edagricole. • Borgioli E. - Miglioramento genetico degli animali in produzione zootecnica. Ed. Edagricole • Casanova P., Capaccioli A., Cellini L. - Appunti di Zoologia Venatoria e Gestione della Selvaggina (Polistampa, Firenze). • Marsico G., Tarricone S. – Cinghiali, Suini ed Ibridi. Gestione, Allevamento e Produzioni. (Aracne Editrice); • Marsico G. – Animali di interesse faunistico e venatorio. Allevamento e Gestione (Aracne Editrice). • Monetti P. - Appunti di bovinicoltura (Cristiano Girardi Editore). • Monetti P. - Appunti di suinicoltura (Cristiano Girardi Editore). • Parigi Bini R. - Le Razze Bovine- Libreria Editrice Universitaria Patron). • Succi G. - Zootecnia Speciale (Clesav). |
| Notes | |

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| Teaching methods | The course topics will be handled with PowerPoint presentations, video clips, classroom exercises or labs. Practical lessons in zootechnical practices. |
| Assessment methods (indicate at least the type written, oral, other) | <p>For students enrolled in the course year in which the lesson is held, an exemption test is foreseen. The exoneration test consists of multiple-choice and/or open-ended questions during the hours of theoretical and theoretical lessons in the classroom until the date of the same. The exoneration will be evaluated in thirty-five and in the event of a positive outcome, the next oral test will focus on the topics developed during the course following the date of the exam. The outcome contributes to the overall assessment of the profit test.</p> <p>The assessment of the student's preparation takes place on the basis of established criteria, as detailed in Annex A of the Teaching Regulations of the Degree Course.</p> <p>The foreign student's profit test can be done in English in the manner described above.</p> |
| Evaluation criteria | <ul style="list-style-type: none"> • Knowledge and understanding skills Descriptive capabilities of the main animal production processes, quantitative aspects of animal production and variability factors • Knowledge and understanding skills applied adequate understanding and knowledge on the quality parameters of animal production • Autonomy of judgment improve production processes and quanto-qualitative characteristics of animal production • Communicative Skills ability to describe phenomena, production processes and characteristics of food of animal origin • Ability to learn adequate ability to hypothesize innovative approaches to the quantitative and qualitative improvement of animal production |
| Further information | Visiting hours: Every day from Monday to Friday from 9.00 am to 12.00 pm. |